

CLAIMS

What is claimed is:

1. A device to apply at a body structure one or more hygienic effects, comprising:
 - (a) one or more light sources each capable of delivering a light beam at said body
5 structure, wherein each of said light beams provides a unique hygienic effect at
said body structure; and
 - (b) an optical path for each of said light beams to individually apply each of said
light beams at said body structure.
- 10 2. The device as set forth in claim 1, wherein the relative location of said device
with respect to said body structure is varied, and therewith the application of
said unique hygienic effects with respect to said body structure is varied, to
achieve blending of said unique hygienic effects at said body structure.
- 15 3. The device as set forth in claim 1, wherein said light sources are low power
lasers, light emitting diodes or semiconductor lasers.
4. The device as set forth in claim 1, wherein said hygienic effect is selected from
the group consisting of an anti-inflammatory effect, a preventative effect, an
20 anti-bacterial effect, a sterilizing effect, a cleaning effect, a cosmetic effect, a
therapeutic effect, a healing effect, a bio-stimulative effect, a bio-altering effect,
a pain-releaving effect, an agent penetrating effect, a photo-rejuvenating effect, a

photo-dynamic treatment effect, a skin stimulating effect, a hair growth stimulating effect and a nail treatment effect.

5 5. The device as set forth in claim 1, wherein said each of said light beams comprises light from the ultraviolet, visible or infrared spectrum.

6. The device as set forth in claim 1, wherein said body structure comprises a naturally created body structure, a wound, or a surgically created body structure.

10 7. The device as set forth in claim 1, wherein said light beam is applied in a manner selected from the group consisting of a pulsed manner and a continuous manner.

15 8. The device as set forth in claim 1, wherein said optical path comprises one or more optical components wherein said one or more optical components are selected from the group consisting of optical fibers, lenses, spectral filters, mirrors, transparent materials, semi-transparent materials, prisms, reflective coatings, reflecting grooves, beam splitters, collimators, light channels and gratings.

20 9. The device as set forth in claim 1, further comprising an agent that is applied to said body structure.

10. The device as set forth in claim 1, further comprising a massaging means to massage said body structure.

5 11. The device as set forth in claim 1, further comprising a vibrating means to vibrate said body structure, wherein said vibrating means comprises an ultrasonic means, a piezoelectric means or a mechanical means.

10 12. The device as set forth in claim 1, further comprising a feedback means to provide feedback to a user, wherein said feedback is selected from the group consisting of sound, display and vibration.

15 13. The device as set forth in claim 1, further comprising a selection means for a user to select parameters related to said unique hygienic effects or related to said light beams to a user.

14. The device as set forth in claim 1, further comprising a displaying means to display data related to said unique hygienic effects or related to said light beams to a user.

20 15. A method to apply at a body structure one or more hygienic effects, comprising the steps of:

- (a) providing one or more light sources each capable of delivering a light beam at said body structure, wherein each of said light beams provides a unique hygienic effect at said body structure; and
- (b) providing an optical path for each of said light beams to individually apply each
5 of said light beams at said body structure.

16. The method as set forth in claim 15, wherein the relative location of said device with respect to said body structure is varied, and therewith the application of said unique hygienic effects with respect to said body structure is varied, to
10 achieve blending of said unique hygienic effects at said body structure.

17. The method as set forth in claim 15, wherein said light sources are low power lasers, light emitting diodes or semiconductor lasers.

15 18. The method as set forth in claim 15, wherein said hygienic effect is selected from the group consisting of an anti-inflammatory effect, a preventative effect, an anti-bacterial effect, a sterilizing effect, a cleaning effect, a cosmetic effect, a therapeutic effect, a healing effect, a bio-stimulative effect, a bio-altering effect, a pain-releaving effect, an agent penetrating effect, a photo-rejuvenating effect, a
20 photo-dynamic treatment effect, a skin stimulating effect, a hair growth stimulating effect and a nail treatment effect.

19. The method as set forth in claim 15, wherein said each of said light beams comprises light from the ultraviolet, visible or infrared spectrum.

20. The method as set forth in claim 15, wherein said body structure comprises a naturally created body structure, a wound, or a surgically created body structure.

21. The method as set forth in claim 15, wherein said light beam is applied in a manner selected from the group consisting of a pulsed manner and a continuous manner.

22. The method as set forth in claim 15, wherein said optical path comprises one or more optical components wherein said one or more optical components are selected from the group consisting of optical fibers, lenses, spectral filters, mirrors, transparent materials, semi-transparent materials, prisms, reflective coatings, reflecting grooves, beam splitters, collimators, light channels and gratings.

23. The method as set forth in claim 15, further comprising the step of adding an agent to said body structure.

24. The method as set forth in claim 15, further comprising the step of providing a massaging means to massage said body structure.

25. The method as set forth in claim 15, further comprising the step of providing a vibrating means to vibrate said body structure, wherein said vibrating means comprises a ultrasonic means, piezoelectric means or mechanical means.

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26. The method as set forth in claim 15, further comprising the step of providing a feedback means to provide feedback to a user, wherein said feedback is selected from the group consisting of sound, display and vibration.

10 27. The method as set forth in claim 15, further comprising the step of providing a selection means for a user to select parameters related to said unique hygienic effects or related to said light beams to a user.

15 28. The method as set forth in claim 15, further comprising the step of providing a displaying means to display data related to said unique hygienic effects or related to said light beams to a user.

29. A handheld device to apply one or more hygienic effects at a body structure, comprising:

20 (a) one or more light sources each capable of delivering a light beam to said body structure, wherein each of said light beams provides a unique hygienic effect based on a uniqueness in wavelength to said body structure; and

(b) an optical path for each of said light beams to individually apply each of said light beams at said body structure.

30. The handheld device as set forth in claim 29, wherein the relative location of said handheld device with respect to said body structure is varied, and therewith the application of said unique hygienic effects with respect to said body structure is varied, to achieve blending of said unique hygienic effects at said body structure.

31. A handheld device to apply one or more hygienic effects to body structures, comprising:

(a) one or more light sources each capable of delivering a light beam to said body structure, wherein each of said light beams provides a unique hygienic effect based on a uniqueness in fluence to said body structure; and

(b) an optical path for each of said light beams to individually apply each of said light beams at said body structure.

32. The handheld device as set forth in claim 31, wherein the relative location of said handheld device with respect to said body structure is varied, and therewith the application of said unique hygienic effects with respect to said body structure is varied, to achieve blending of said unique hygienic effects at said body structure.

33. A handheld hygienic device to apply at a body structure one or more hygienic effects, comprising:

(a) a detachable handle;

5 (b) a detachable head, wherein said detachable head comprises one or more optical paths each capable of delivering a light beam with a unique hygienic effect at said body structure.

10 34. The handheld device as set forth in claim 33, wherein the relative location of said handheld device with respect to said body structure is varied, and therewith the application of said unique hygienic effects with respect to said body structure is varied, to achieve blending of said unique hygienic effects at said body structure.

15 35. The handheld device as set forth in claim 33, wherein said detachable head comprises at least two detachable components, wherein a first component comprises light sources that generate said light beams and wherein a second component comprises means to guide and output said light beams to said body structure.

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36. The handheld device as set forth in claim 35, wherein said at least two detachable components are disposable components.

37. The handheld device as set forth in claim 33, wherein said detachable handle is a disposable handle.

5 38. The handheld device as set forth in claim 33, wherein said detachable head is a disposable head.

39. A brush to apply at a body structure one or more hygienic effects, comprising:

(a) one or more light sources each capable of delivering a light beam at said body structure, wherein each of said light beams provides a unique hygienic effect at
10 said body structure; and

(b) an optical path for each of said light beams to individually apply each of said light beams at said body structure.

15 40. A comb to apply at a body structure one or more hygienic effects, comprising:

(a) one or more light sources each capable of delivering a light beam at said body structure, wherein each of said light beams provides a unique hygienic effect at said body structure; and

(b) an optical path for each of said light beams to individually apply each of said
20 light beams at said body structure.